ABSTRACT OF THE DISCLOSURE

A washing machine and a control method thereof are provided for accurately sensing an amount of laundry placed in the washing machine and setting a wash pattern accordingly. The washing machine includes a motor for being driven, in response to a user command, to

5   rotate a drum holding laundry; a pulse sensor for sensing a pulse generated by the driven motor and outputting a voltage signal indicative of a width of the pulse; and a microcomputer for sensing an amount of laundry based on an integration value derived from the voltage signal output from the pulse sensor and on a revolution time period with respect to a reference value stored in the microcomputer.   The control method includes steps of sensing a laundry

10   amount according to a pulse generated when a motor is driven in response to a user command; and controlling a wash pattern according to the sensed laundry amount.